Dear Sir:

U.S. Department of Commerce Patent and Trademark Office **PATENT**

UTILITY PATENT APPLICATION TRANSMITTAL

Assistant Commissioner for Patents Washington, D.C. 20231 BOX PATENT APPLICATION

Customer No.: 23696 Attorney Docket No.: PA020089

Date: January 15, 2002

Express Mail Label No.: ET100744196US



	rewith for filing is the patent application of: Chang, et al. Echo Cancellation System Method and Apparatus.
2. ☑ Drawings 3. ☑ Declaration 4. ☐ This appl 5. ☐ An Assig 6. ☐ A Prelimi 7. ☐ Information a. ☐ I	plication (26) total pages. :

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	20 - 20	0	x \$18 =	\$0.00
Independent**	4 - 3	1	x \$84 =	\$84.00
Multiple Dependent Claim(s): No Yes			\$280	\$
APPL	ICATION FILIN	G FEE	\$740	\$740.00
*If the number in column **If the number in column	a is less than 20, entern b is less then 3, entern b is less than 20.	er 0 in column b. er 0 in column b.	TOTAL FEE	\$824.00

8. A check in the amount of \$____ is enclosed to pay the filing fee.

9. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$824.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.

10. The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: January 15, 2002

Signature:

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(TRANSUTILAPP.VER1.6-1/17/01)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)	
Chang, et al.) For: Echo Cancellation System) Method and Apparatus	
Serial No. Unknown))	
Filed: Herewith)) Group Art Unit:	Unknown

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Asst. Commissioner of Patents BOX PATENT APPLICATIONS Washington, D.C. 20231

Dear Sir:

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I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Asst. Commissioner of Patents, Box Patent Applications, Washington, D.C. 20231:

PATENT APPLICATION IN 26 PAGES; TRANSMITTAL LETTER IN DUPLICATE; 5 SHEETS OF INFORMAL DRAWINGS; UNSIGNED DECLARATION/POWER OF ATTORNEY; AND POSTCARD

Kayla R. Seignious

(Signature)

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